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CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-SK-PMC-2014-15 **Date:** 06.06.2014

Aggregate Impact Value
IS: 2386 Part IV

Client	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency	**Sri.K. Shivakumar,** Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE Water line in HMT Layout Block-1 in J P Park, Ward No. 17
Reference	EE/RRND/PR/05-01/2013-14 Dated: 18.12.2013
Type of Mix	Wet Mix macadam
Date of Testing	06.06.2014

Sl No.	Details	Trial No. 1	2	3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	365	370	372	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	56	85	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	309	285	284	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	15.34	22.97	23.66	**20.66**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the samples received in the laboratory
→ Any Query regarding the report must be reported within 15 days from the date of testing.

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Job No.: CECTC-SK-PMC-2014-15

Date : 06.06.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri.K. Shivakumar,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in HMT Layout Block-1 in J P Park, Ward No. 17
Reference : EE/RRND/PR/05-01/2013-14 Dated: 18.12.2013
Date of Testing : 06.06.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 12436

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	501	501	4.0	96.0	95-100
22.4	4365	4866	39.1	60.9	60-80
11.2	2252	7118	57.2	42.8	40-60
4.75	1965	9083	73.0	27.0	25-40
2.36	1145	10228	82.2	17.8	15-30
0.600	1027	11255	90.5	9.5	8-22
0.075	851	12106	97.3	2.7	0-8

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Job No.: CECTC-SK-PMC-2014-15 Date : 06.06.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Sri.K. Shivakumar,** Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in HMT Layout Block-1 in J P Park, Ward No. 17
Reference : EE/RRND/PR/05-01/2013-14 Dated: 18.12.2013
Date of Testing : 06.06.2014
Material Type : Wet Mix Macadam

Oven Dry.Wt 12516

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	480	480	3.8	96.2	95-100
22.4	4266	4746	37.9	62.1	60-80
11.2	2140	6886	55.0	45.0	40-60
4.75	2070	8956	71.6	28.4	25-40
2.36	1265	10221	81.7	18.3	15-30
0.600	1115	11336	90.6	9.4	8-22
0.075	850	12186	97.4	2.6	0-8

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Job No.: CECTC-SK-PMC-2014-15

Date : 06.06.2014

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri.K. Shivakumar,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water line in HMT Layout Block-1 in J P Park, Ward No. 17

Reference : EE/RRND/PR/05-01/2013-14 Dated: 18.12.2013

Date of Testing : 06.06.2014

Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	22.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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Job No.: CECTC-SK-PMC-2014-15

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ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri.K. Shivakumar,** Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water line in HMT Layout Block-1 in J P Park, Ward No. 17

Reference : EE/RRND/PR/05-01/2013-14 Dated: 18.12.2013

Date of Testing : 06.06.2014

Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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